

Forecast Runoff Volumes for the Snowmelt Season

Wednesday, April 29, 2009

NWS California Nevada River Forecast Center and the California Dept. of Water Resources

Remarks: The initial synoptic conditions indicate an upper trough located over the Pacific Northwest inland toward the northern Rockies. This is resulting in cool temperatures across California and Nevada, near or slightly below normal. Late this week into this weekend (May 1 to May 3) a low pressure system will approach the west coast from the eastern Pacific. This will bring widespread precipitation across the entire region, greatest over the northern and central California coastal mountains, Shasta drainage, and the entire length of the Sierra Nevada. Overall amounts are still tough to pinpoint at this time. However, an early estimate is 0.25- to 0.75-inch across the lower elevations and 1.00- to 2.00-inches over the higher terrain. Amounts will be lighter across the state of Nevada. This storm system will bring cooler than normal high temperatures, but near normal low temperatures. As this system exits to the east, zonal flow across the eastern Pacific and west coast will bring high temperatures back to near normal, while low temperatures remain near normal. There is a slight chance of some very light precipitation by the middle of next week from a Monterey to Yosemite line northward.

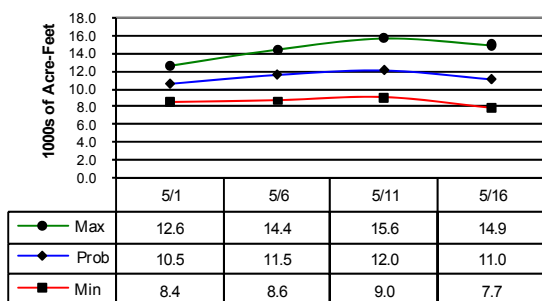
Forecasts reflect predicted short-term precipitation and temperature as well as the predicted shift from normal climatology provided by NOAA's Climate Prediction Center.

Forecast Point	Peak 1-Day Volume (1000s of ac-ft)	Date (Month/Day)
American River - Folsom	17.5	5/10
Mokelumne River - Pardee	9.0	5/14
Stanislaus River - New Melones	12.0	5/14
Tuolumne River - New Don Pedro	22.0	5/18
Merced River - Pohono Bridge	7.0	5/15
Merced River - Lake McClure	11.0	5/15
Lake Tahoe Inflow	2.8	5/19
Truckee River - Tahoe to Farad	4.2	5/18
WF Carson River - Woodfords	1.0	5/19
EF Carson River - Gardnerville	3.2	5/19
Carson R - Carson City	3.0	5/20
San Joaquin River - Millerton	23.0	5/19
Kings River - Pine Flat	22.0	5/19
Kaweah River - Terminus	5.0	5/18
Tule River - Success	0.6	4/22
Kern River - Isabella	7.0	5/20
West Walker River - Coleville	2.4	6/5
East Walker River - Bridgeport	0.7	6/6
Humboldt River - Palisade	2.6	6/9
Marys River - Twin Buttes	0.8	5/24
Humboldt River - Elko	1.5	6/8

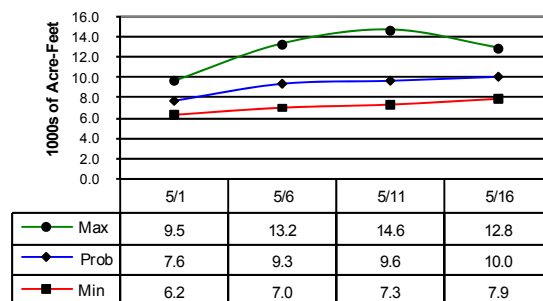
Indicated values are unimpaired flow volumes in thousands of acre-feet in 5-day intervals for the next 20 days. The date indicated above each column is the mid-point of the 5-day interval.

Max: Reasonable maximum (10 percent chance of being exceeded)
 Prob: Most probable volume (50 percent chance of being exceeded)
 Min: Reasonable minimum (90 percent chance of being exceeded)

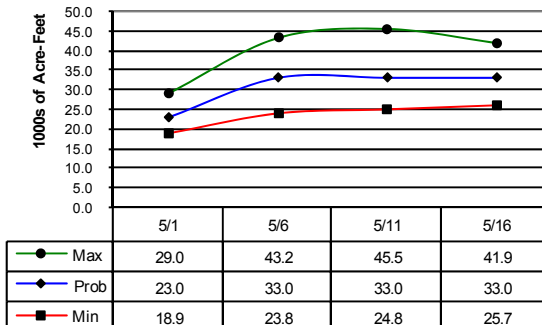
Williamson River at Chiloquin



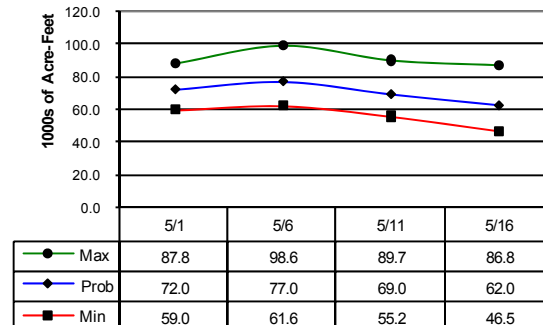
Scott River at Fort Jones



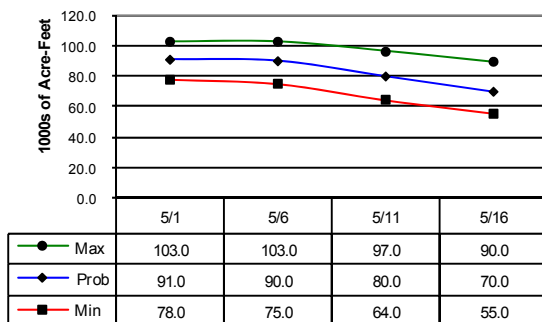
Trinity River at Lewiston



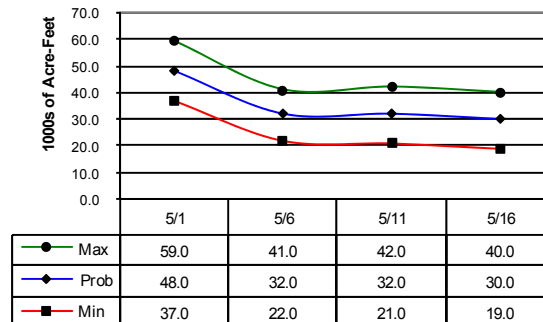
Shasta Reservoir Inflow



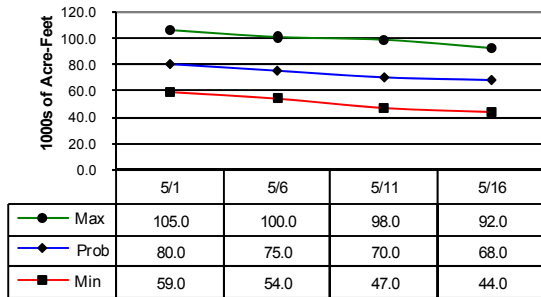
Feather River at Oroville



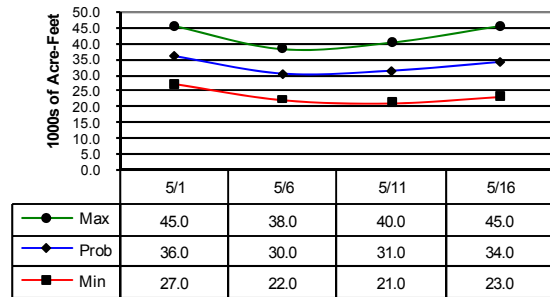
Yuba River at Smartville



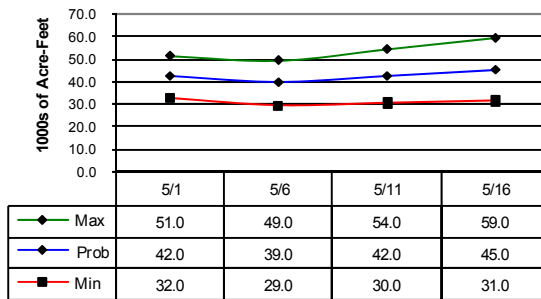
American River at Folsom



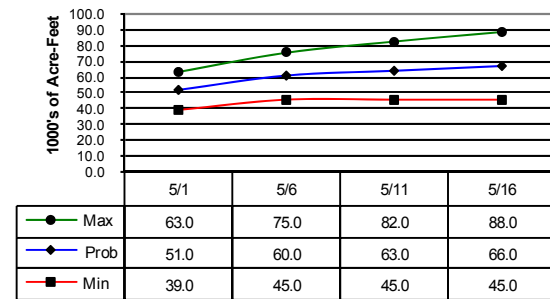
Mokelumne River at Pardee



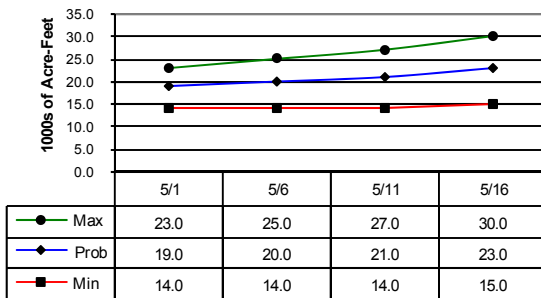
Stanislaus River at New Melones



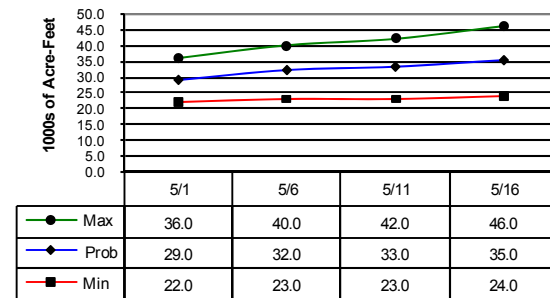
Tuolumne River at New Don Pedro



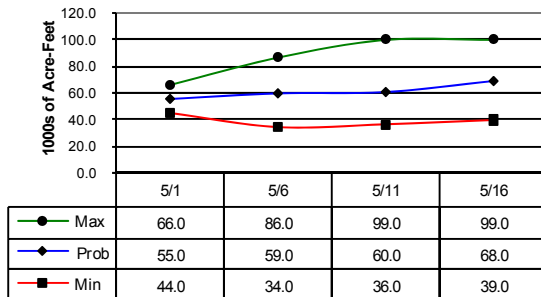
Merced River at Pohono Bridge



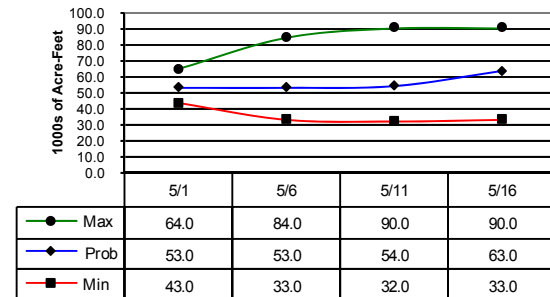
Merced River at Lake McClure



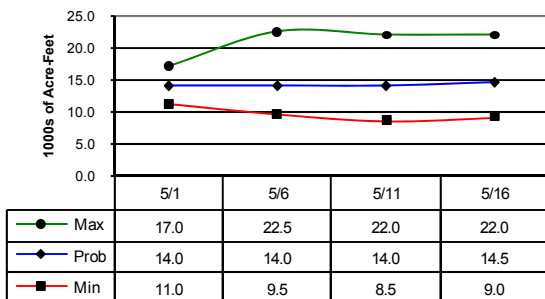
San Joaquin River at Millerton



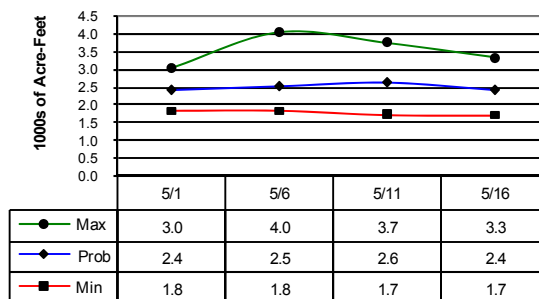
Kings River at Pine Flat



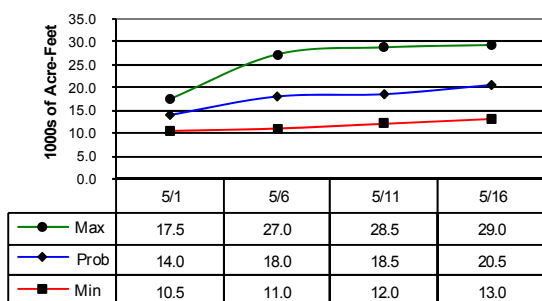
Kaweah River at Terminus



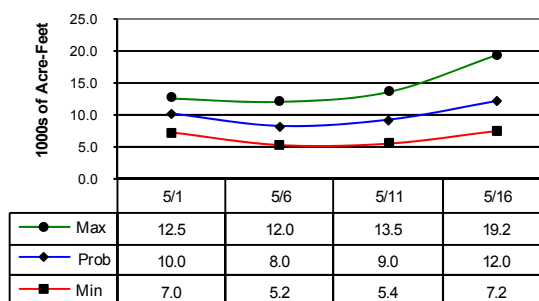
Tule River at Success



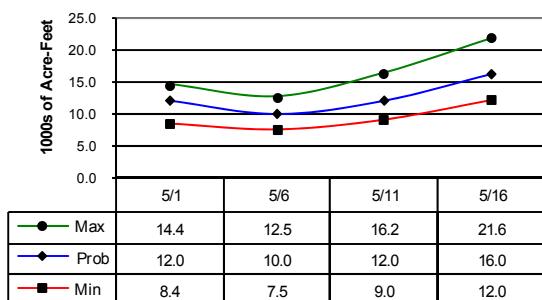
Kern River at Isabella



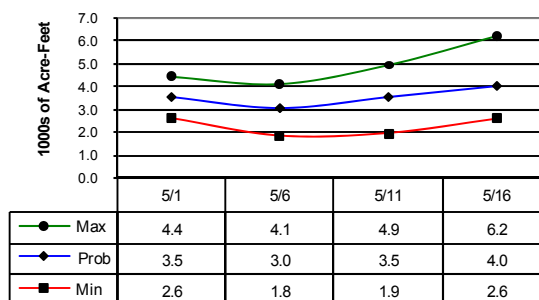
Lake Tahoe Inflow



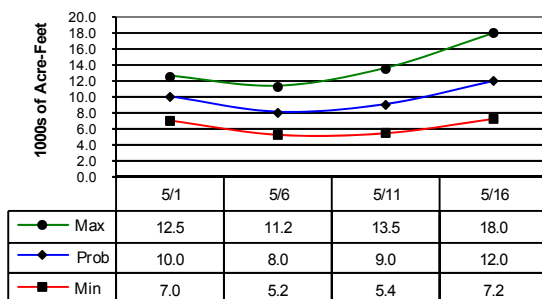
Truckee River - Lake Tahoe to Farad



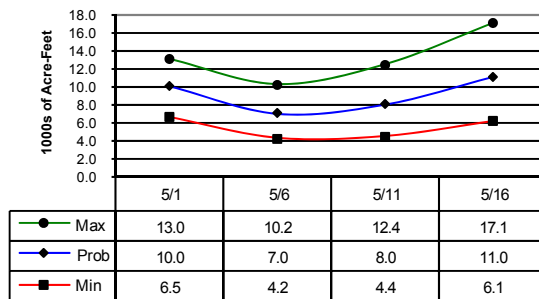
W F Carson River at Woodfords



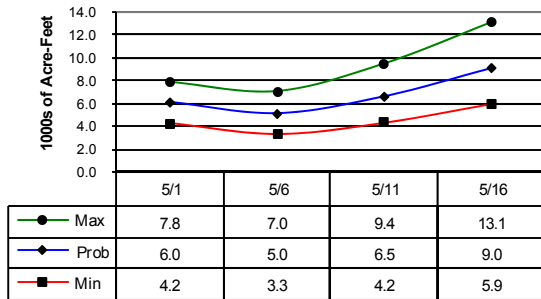
EF Carson River nr Gardnerville



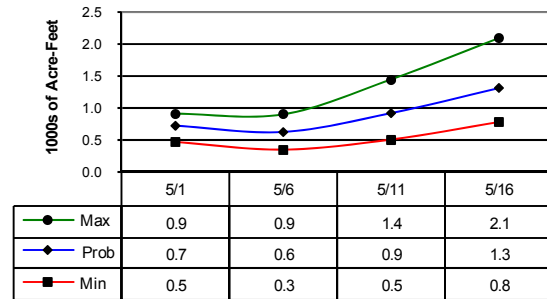
Carson River at Carson City



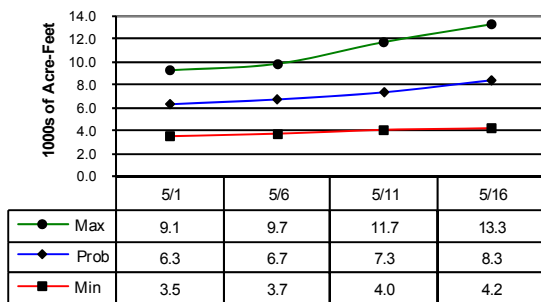
West Walker River at Coleville



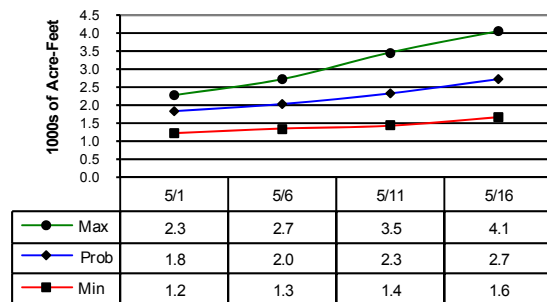
East Walker River at Bridgeport



Humboldt River at Palisade



Marys River below Twin Buttes



Humboldt River at Elko

